



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090008-A

**Mode:** Highway

**Status:** Submitted

### I-40

**From/Cross Street:** West of NC 801 in Davie County

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** SR 1101 (Harper Road) in Forsyth County

**Project Category:** Statewide Mobility

**Length:** 2.65

**TIP#:** I-0911A

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$48,850,000

#### Description:

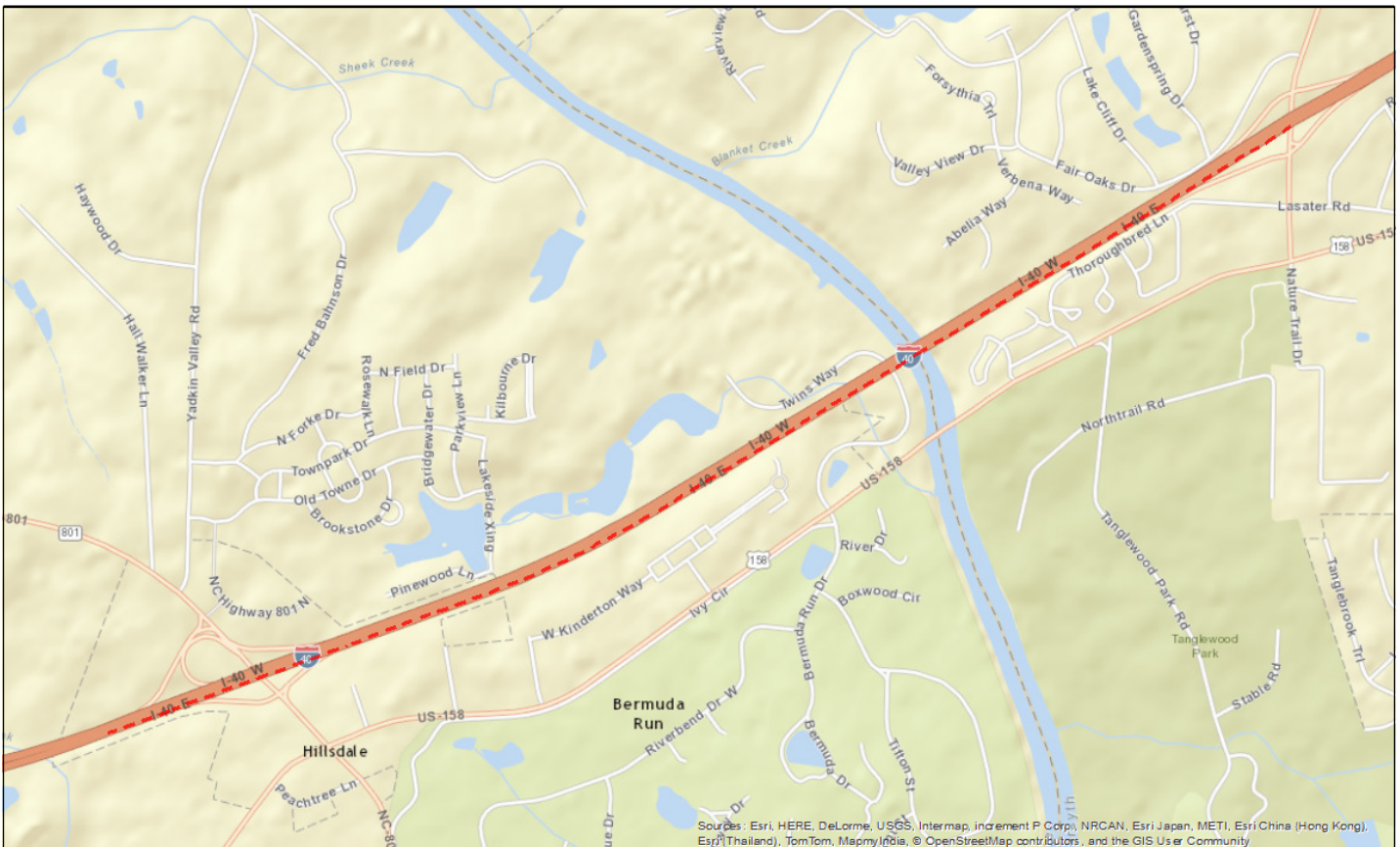
Add Additional Lanes.

**Division(s):** Division 9

**County(s):** DAVIE, FORSYTH

**MPOS(s)/RPO(s):** Winston Salem Urban Area MPO

### Project Location



**Statewide Mobility Total Score: 27.5**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (10%) 63.43 Congestion (V/C) (30%) 56.99 Economic Competitiveness (10%) 2.17 Multimodal + [Freight & Military] (20%) 18.47 [Travel Time] Benefit/Cost (30%) 0.48	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 27.5</b>		

**Regional Impact Total Score: 54.2**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Accessibility / Connectivity (10%) 34.92 [Travel Time] Benefit/Cost (25%) 0.48 Congestion (V/C) (25%) 56.99 Safety (10%) 63.43	Percent: 15% Points: 100	Percent: 15% Points: 100
<b>Totals: Weight: 70% Weighted Score: 24.2</b>		

**Division Needs Total Score: 17.84**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 56.99 Safety (10%) 63.43 [Travel Time] Benefit/Cost (20%) 0.48	Percent: 25% Points: 0	Percent: 25% Points: 0
<b>Totals: Weight: 50% Weighted Score: 17.84</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	65
Length (miles):	2.65
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	46378.12
Capacity:	72397.41
Volume/Capacity Ratio:	0.64
% Autos:	92%
% Trucks:	8%
Truck Volume:	3694.63
Crash Density:	61.89
Crash Severity:	55.58
Critical Crash Rate:	72.85
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	100
Actual Congested Speed:	64.04
Travel Time Index:	1.02

**Project Benefits**

Project Cross-Section:	6B - 6 Lane Divided (27' Median with Jersey Barrier with Paved Shoulders)
Speed Limit:	65
Length (miles):	2.65
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	1031424.34
Travel Time Savings for 30 Years (Autos):	949257.71
Travel Time Savings for 30 Years (Trucks):	82166.63
Long-Term Employment:	17
% Change in Economy:	2.64E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 9

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 9	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Winston Salem Urban Area MPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$48,200,000	TIP Unit
Right-of-Way Cost:	\$650,000	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$48,850,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$48,850,000</b>	